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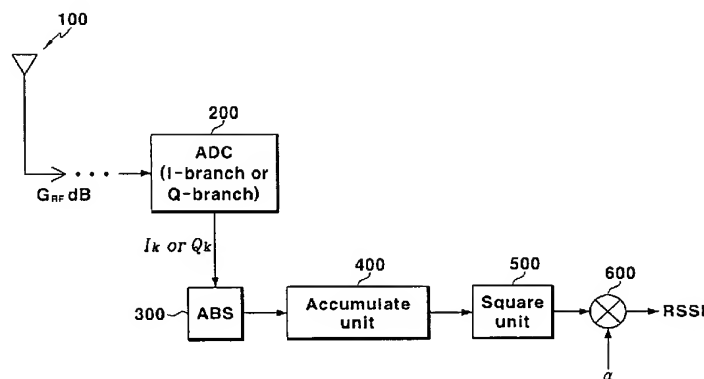
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(54) Title: APPARATUS AND METHOD FOR MEASURING RECEIVED SIGNAL STRENGTH INDICATOR, AND RECORDING MEDIUM STORING PROGRAM EMBODYING THE SAME METHOD



(57) Abstract: An apparatus for estimating a RSSI of a signal transmitted/received in a wireless network, the apparatus including an ADC quantizing one of I-branch and Q-branch signals, extracted from the signal, into a digital signal; an absolute value calculating unit calculating an absolute value of the digital signal quantized by the ADC and outputting a result; an accumulate unit accumulating an output of the absolute calculating unit for a given time period and outputting a result; a square unit squaring an output of the accumulate unit and outputting a result; and a multiply unit multiplying an output of the square unit by a given value and outputting a result, the given value being determined based on the number of input bits, an input clip level, and input resistance of the ADC when the probability density functions at input and output signals of the ADC are approximately Gaussian with zero mean.

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